

REMARKS

Reconsideration and allowance in view of the foregoing amendments and the following remarks is respectfully requested.

Several previously presented claims have been amended. Claims 19-22 readable on the elected species/invention have been added to provide Applicants with the scope of protection to which they are believed entitled. Claim 15 has been cancelled without prejudice or disclaimer. Claims 1, 4-8, 10-14 and 16-22 remain pending in the present application. No new matter has been introduced through the foregoing amendments.

Rejections under 35 U.S.C. §112

1. Claim 1 is rejected under 35 U.S.C. §112, first paragraph, as failing to comply with the written description. Although Applicants do not necessarily agree with the Examiner's position, amendments have nevertheless been made to specifically avoid the rejection, solely for the purpose of expediting prosecution. Thus, Applicants respectfully request this rejection be withdrawn.

2. Claim 5 is rejected under 35 U.S.C. §112, second paragraph, for lacking antecedent basis. Although Applicants do not necessarily agree with the Examiner's position, amendments have nevertheless been made to specifically avoid the rejection, solely for the purpose of expediting prosecution. Thus, Applicants respectfully request this rejection be withdrawn.

Rejections under 35 U.S.C. §103(a)

3. Claims 1, 4-8, 10, 11, 13 and 17 are rejected under 35 U.S.C. 103(a) as being obvious over *Chen* (US PG-Pub 2003/0038750), in view of *Kenoun* (US PG-Pub 2004/0075611). Applicants respectfully traverse the rejections for the following reasons.

Claim 1 has been amended to recite the limitations, "a first radiation patch, with a linearly tapered edge, for radiating a signal...wherein said linearly tapered edge is corrugated." This is supported in the original specification at least at page 5, lines 21-27, and in figures 2 and 3. Applicants submit that *Chen* and *Kenoun* singly or in combination fail to disclose, teach or suggest this limitation.

Chen discloses an indented planar F-type antenna apparatus. The antenna has a first radiation patch, a ground plate, a feeding line and a shorting plate. These are discussed in paragraphs 22-24, with reference to figure 2, of *Chen*. However, *Chen* is silent about the about the first radiation patch having a linearly tapered edge with a plurality of corrugated hollows. Thus, it is submitted that *Chen* fails to disclose the limitations, “a first radiation patch, with a linearly tapered edge, for radiating a signal; a second radiation patch connected to the first radiation patch, extending towards the ground plate and having a length shorter than the length of the shorting plate; wherein said linearly tapered edge is corrugated,” as required by claim 1.

On the other hand, *Kenoun* discloses an antenna having a first radiation patch, a ground plate, a feeding line, a shorting plate and a second radiation patch, as discussed in paragraphs 16-21, with reference to figures 1-3. However, *Kenoun* is silent about the about the first radiation patch having a linearly tapered edge with a plurality of corrugated hollows. Thus, it is submitted that *Kenoun* fails to disclose the limitations, “a first radiation patch, with a linearly tapered edge, for radiating a signal; a second radiation patch connected to the first radiation patch, extending towards the ground plate and having a length shorter than the length of the shorting plate; wherein said linearly tapered edge is corrugated,” as required by claim 1.

Accordingly, it is submitted that *Chen* and *Kenoun* singly or in combination fail to disclose, teach or suggest each and every limitation of claim 1, for the reasons stated above. Therefore, Applicants submit that claim 1 is patentable over *Chen* and *Kenoun* as applied in the Office Action. Thus, the rejection of claim 1 should be withdrawn and claim 1 allowed.

Claims 4-7 are considered patentable at least for the reasons advanced with respect to base claim 1. Thus, the rejection of claims 4-7 should be withdrawn and claims 4-7 allowed.

Claim 8 has been amended similarly to claim 1. Thus, the rejection of claim 8 should be withdrawn and claim 8 allowed.

Claims 10, 11, 13 and 17 are considered patentable at least for the reasons advanced with respect to base claim 8. Thus, the rejection of these claims should be withdrawn and claims 10, 11, 13 and 17 allowed.

4. Claims 12, 14-16 and 18 are rejected under 35 U.S.C. 103(a) as being obvious over *Chen* (US PG-Pub 2003/0038750), in view of *Kenoun* and *Weinberger* (US Pat. 6,483,462). Applicants respectfully traverse the rejections for the following reasons.

Applicants submit that *Weinberger* fails to cure the deficiencies of *Chen* and *Kenoun* with respect to independent claims 1 and 8. Thus, the rejection of claims 12, 14-16 and 18 should be withdrawn and the claims allowed at least by their dependency on independent claims 1 and 8.

Newly Added Claims

Claims 19-22 have been added. Applicants submit that claims 19-22 are also allowable at least by their dependency on independent claim 8. The added claims find solid support in the original specification and drawings, especially FIGs. 2-3.

Conclusion

In view of the preceding amendments and arguments, Applicants respectfully request withdrawal of the outstanding rejection and allowance of the pending claims.

All objections and rejections have been addressed. It is respectfully submitted that the present application is in condition for allowance and a Notice of Allowance is earnestly solicited.

The Examiner is invited to telephone the undersigned, Applicant's attorney of record, to facilitate advancement of the present application.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 07-1337 and please credit any excess fees to such deposit account.

Respectfully submitted,

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